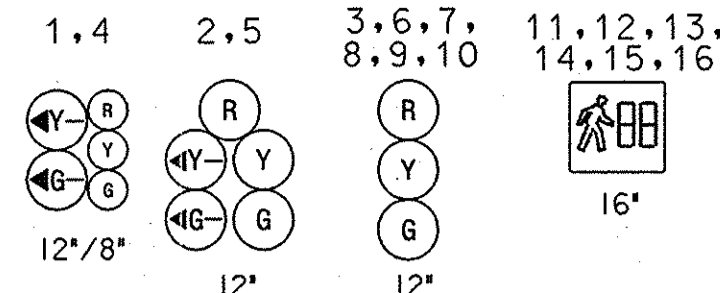


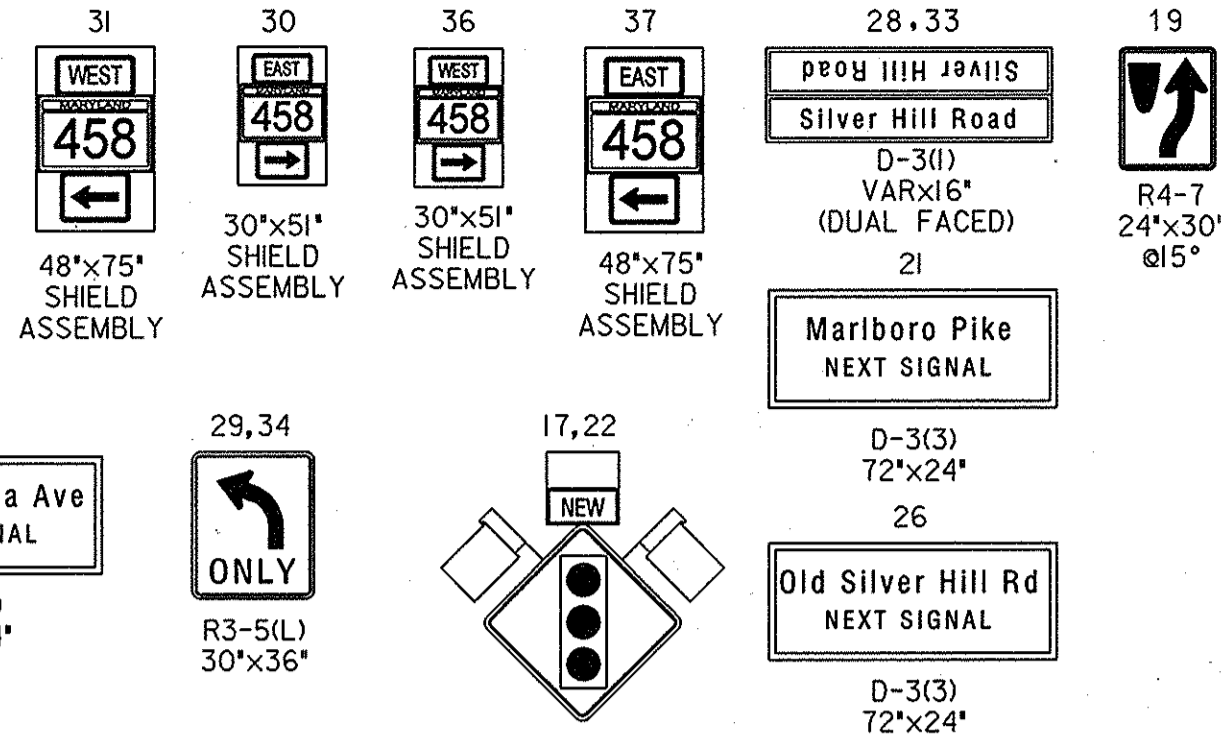
PROPOSED LED SIGNALS



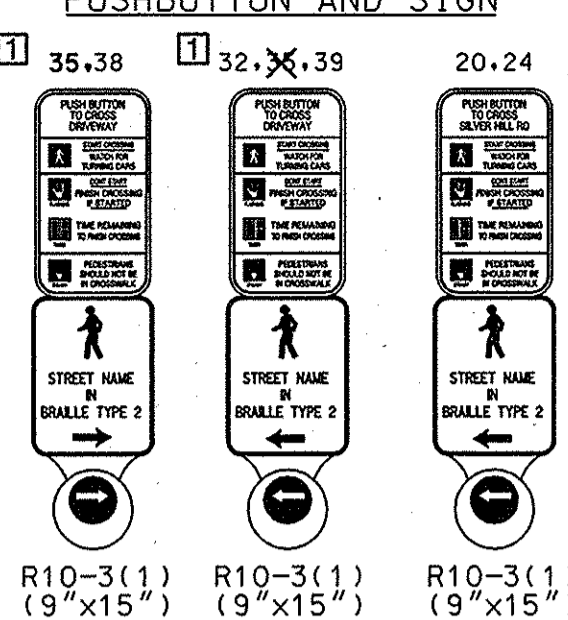
PROPOSED VIDEO DETECTION CAMERA



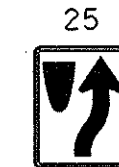
PROPOSED SIGNS



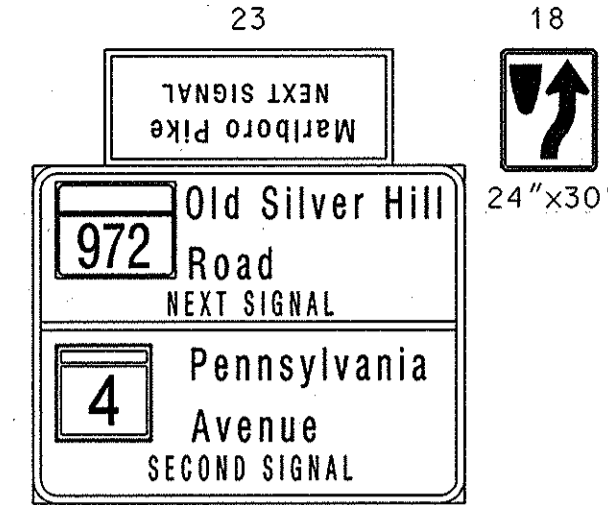
PROPOSED ACCESSIBLE PUSHBUTTON AND SIGN



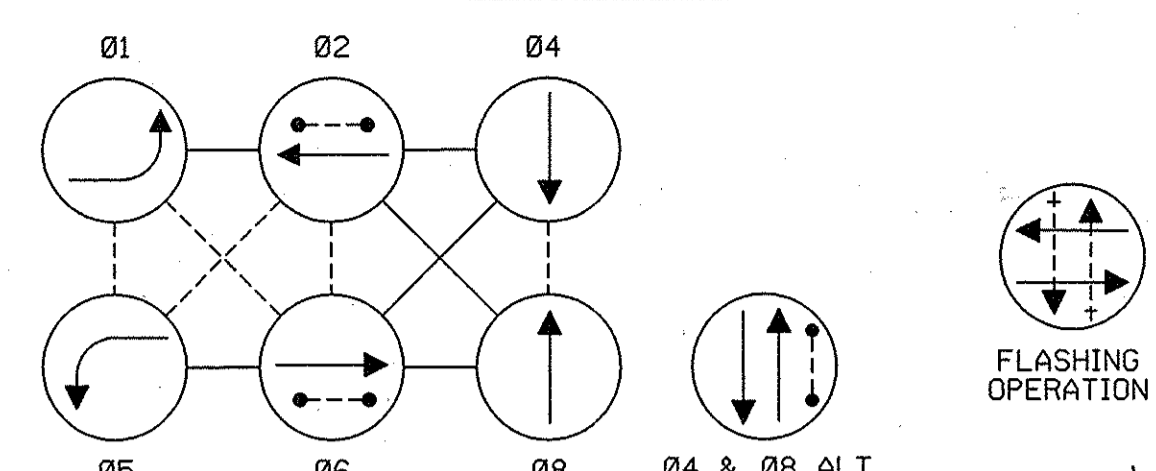
EXISTING SIGNS TO REMAIN



EXISTING SIGNS TO REMOVE



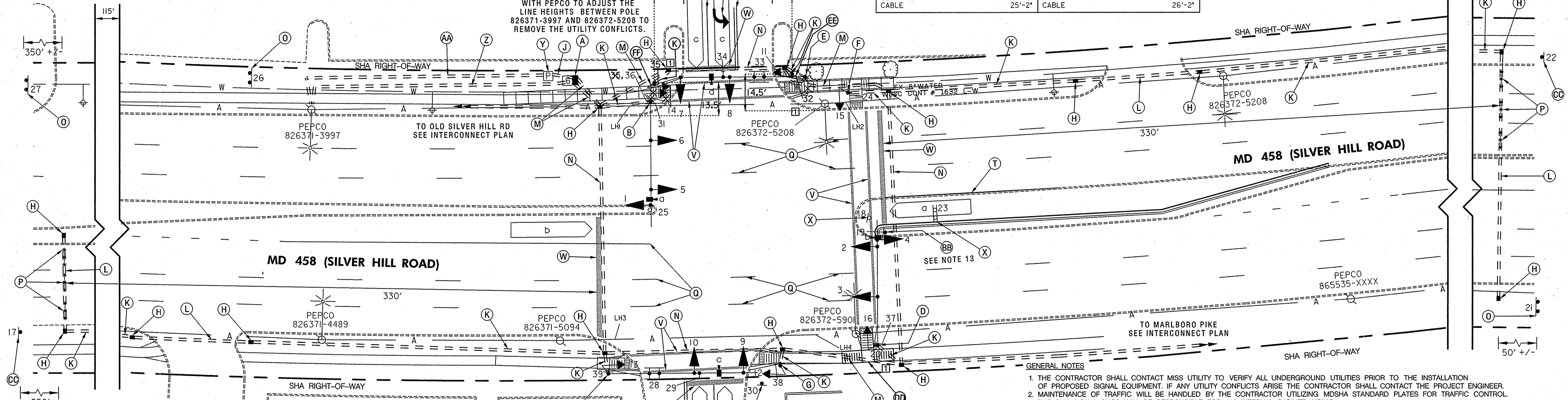
NEMA PHASING



NOTE: PHASES ASSOCIATED BY A DASHED LINE MAY/WILL OPERATE CONCURRENTLY. PHASES ASSOCIATED BY A SOLID LINE WILL NOT OPERATE CONCURRENTLY.

LINE HEIGHTS NORTHWEST CORNER (LH1)		LINE HEIGHTS NORTHEAST CORNER (LH2)	
SECONDARY	40'-0"	SECONDARY	40'-0"
SECONDARY	35'-0"	SECONDARY	35'-0"
STREET LIGHT	19'-9"	STREET LIGHT	24'-0"
TELEPHONE	15'-2"	TELEPHONE	20'-0"
CABLE	14'-9"	CABLE	19'-8"
LINE HEIGHTS SOUTHWEST CORNER (LH3)		LINE HEIGHTS SOUTHEAST CORNER (LH4)	
SECONDARY	40'-0"	SECONDARY	40'-0"
SECONDARY	26'-1"	GUY	27'-2"
CABLE	25'-2"	CABLE	26'-2"

NOTE: PLACE SIGN 27 BETWEEN TRAFFIC SIGNAL NO. 2615 (MD 458 AT OLD SILVER HILL ROAD) AND TRAFFIC SIGNAL NO. 837 (MD 458 AT MD 4)



CONSTRUCTION DETAILS

- INSTALL EIGHT PHASE FULLY-ACTUATED CONTROLLER HOUSED IN A NEMA SIZE 6 BASE MOUNTED CABINET WITH ALL OF THE NECESSARY EQUIPMENT (NOTE: 2-2 IN. AND 2-4 IN. PVC 90 DEGREE BENDS)
- INSTALL 15 FT. STEEL T*POLE WITH A 50 FT. MAST ARM, FOUNDATION, TRAFFIC SIGNAL HEADS, VIDEO DETECTION CAMERA (INSTALL CONTROL CABLE), COUNTDOWN PEDESTRIAN SIGNAL HEAD, SIGNS, ACCESSIBLE PUSH BUTTON STATION AND R10-3(1) SIGN TO READ "PUSH BUTTON TO CROSS DRIVEWAY" (NOTE: 1-3 IN. PVC 90 DEGREE BEND)
- INSTALL 27 FT. STEEL POLE (T = 15 FT.) WITH A 50 FT. MAST ARM, FOUNDATION, TRAFFIC SIGNAL HEADS, VIDEO DETECTION CAMERA (INSTALL CONTROL CABLE), COUNTDOWN PEDESTRIAN SIGNAL HEAD, SIGNS, ACCESSIBLE PUSH BUTTON STATION AND R10-3(1) SIGN TO READ "PUSH BUTTON TO CROSS DRIVEWAY" (NOTE: 1-3 IN. PVC 90 DEGREE BEND)
- INSTALL 15 FT. STEEL T*POLE WITH A 50 FT. MAST ARM, FOUNDATION, TRAFFIC SIGNAL HEADS, VIDEO DETECTION CAMERA (INSTALL CONTROL CABLE), COUNTDOWN PEDESTRIAN SIGNAL HEAD, SIGNS, ACCESSIBLE PUSH BUTTON STATION AND R10-3(1) SIGN TO READ "PUSH BUTTON TO CROSS SILVER HILL RD" (NOTE: 1-3 IN. PVC 90 DEGREE BEND)
- INSTALL 27 FT. STEEL POLE (T = 15 FT.) WITH A 50 FT. MAST ARM, FOUNDATION, TRAFFIC SIGNAL HEADS, VIDEO DETECTION CAMERA (INSTALL CONTROL CABLE), COUNTDOWN PEDESTRIAN SIGNAL HEAD, SIGNS, ACCESSIBLE PUSH BUTTON STATION AND R10-3(1) SIGN TO READ "PUSH BUTTON TO CROSS DRIVEWAY" (NOTE: 1-3 IN. PVC 90 DEGREE BEND)
- INSTALL 10 FT. BREAKAWAY PEDESTAL POLE WITH COUNTDOWN PEDESTRIAN SIGNAL HEAD, ACCESSIBLE PEDESTRIAN PUSHBUTTON STATION AND R10-3(1) SIGN TO READ "PUSH BUTTON TO CROSS SILVER HILL RD" (NOTE: 1-3 IN. PVC 90 DEGREE BEND)
- INSTALL 10 FT. BREAKAWAY PEDESTAL POLE WITH COUNTDOWN PEDESTRIAN SIGNAL HEAD, ACCESSIBLE PEDESTRIAN PUSHBUTTON STATION AND R10-3(1) SIGN TO READ "PUSH BUTTON TO CROSS DRIVEWAY" (NOTE: 1-3 IN. PVC 90 DEGREE BEND)
- INSTALL ELECTRICAL HANDHOLE
- INSTALL 2 IN. SCHEDULE 80 RIGID PVC ELECTRICAL CONDUIT (TRENCHED)
- INSTALL 3 IN. SCHEDULE 80 RIGID PVC ELECTRICAL CONDUIT (TRENCHED)
- INSTALL 3 IN. SCHEDULE 80 RIGID PVC ELECTRICAL CONDUIT (BORED)
- INSTALL 4 IN. SCHEDULE 80 RIGID PVC ELECTRICAL CONDUIT (TRENCHED)
- INSTALL 4 IN. SCHEDULE 80 RIGID PVC ELECTRICAL CONDUIT (BORED)
- INSTALL GROUND MOUNTED SIGN ON TWO 4 IN. X 6 IN. WOOD POSTS

CONSTRUCTION DETAILS (CONT.)

- INSTALL NON-INVASIVE MICROLOOP PROBE (SET OF 3)
- REMOVE EXISTING PAVEMENT MARKING LINES - ANY WIDTH
- INSTALL 25 FT. LONG 5 IN. WHITE LEAD FREE REFLECTIVE THERMOPLASTIC PAVEMENT MARKINGS
- INSTALL 25 FT. LONG 5 IN. DOUBLE YELLOW LEAD FREE REFLECTIVE THERMOPLASTIC PAVEMENT MARKINGS
- INSTALL 70 FT. LONG 5 IN. WHITE LEAD FREE REFLECTIVE THERMOPLASTIC PAVEMENT MARKINGS
- INSTALL PERMANENT PREFORMED PAVEMENT MARKING ARROW
- INSTALL 12 IN. WHITE LEAD FREE REFLECTIVE THERMOPLASTIC PAVEMENT MARKINGS FOR CROSSWALK (SEE DETAIL ON G-2)
- INSTALL 24 IN. WHITE LEAD FREE REFLECTIVE THERMOPLASTIC PAVEMENT MARKINGS FOR STOPLINE
- REMOVE GROUND MOUNTED SIGNS AND SUPPORTS
- INSTALL METEDED SERVICE PEDESTAL
- INSTALL 2 IN. SCHEDULE 80 RIGID PVC ELECTRICAL CONDUIT (TRENCHED) - FOR PROPOSED TELEPHONE SERVICE, CAP AND MARK CONDUIT, AND LEAVE A 1 FT. STUB WITH PULL STRING AT UTILITY POLE FOR USE BY OTHERS
- INSTALL 4 IN. SCHEDULE 80 RIGID PVC ELECTRICAL CONDUIT (TRENCHED) - FOR UNDERGROUND POWER SERVICE. THE CONTRACTOR SHALL CAP, MARK, AND LEAVE A ONE FOOT STUB WITH PULL STRING AT BASE OF UTILITY POLE FOR USE BY OTHERS.
- INSTALL GROUND MOUNTED SIGN ON ONE 4 IN. X 4 IN. WOOD POST.
- INSTALL GROUND MOUNTED SIGN ON ONE 4 IN. X 6 IN. WOOD POST.
- INSTALL MD STD. 655.12 PEDESTRIAN RAMP.
- INSTALL 5 FT. BREAKAWAY PEDESTAL POLE WITH SPECIAL MD STD. 801.01-01 FOUNDATION, ACCESSIBLE PEDESTRIAN PUSHBUTTON STATION AND R10-3(1) SIGN TO READ "PUSH BUTTON TO CROSS DRIVEWAY" (NOTE: 1-3 IN. PVC 90 DEGREE BEND).
- INSTALL 10 FT. BREAKAWAY PEDESTAL POLE WITH SPECIAL MD STD. 801.01-01 FOUNDATION, COUNTDOWN PEDESTRIAN SIGNAL HEAD, SIGN, ACCESSIBLE PEDESTRIAN PUSHBUTTON STATION AND R10-3(1) SIGN TO READ "PUSH BUTTON TO CROSS DRIVEWAY" (NOTE: 1-3 IN. PVC 90 DEGREE BEND)

NOTE:

THESE PLANS ARE APPROVED FOR CONSTRUCTION FOR A PERIOD OF ONE (1) YEAR. SHOULD CONSTRUCTION NOT BEGIN WITHIN THIS TIME FRAME, THESE PLANS SHALL BE NULL AND VOID WITH A RE-REVIEW FROM THE TRAFFIC ENGINEERING DESIGN DIVISION.

EAPD PERMIT NO.

APPROVAL: *[Signature]* 10/10/2007
REDLINE REVISION 10-10-2007

GEOMETRIC LEGEND

--- EXISTING
=== PROPOSED

APPROVALS

ORIGINALS
TEAM LEADER
ON
ASST. DIV. CHIEF
FILE
DIVISION CHIEF
OFFICE DIRECTOR

REVISIONS

TRAFFIC SIGNALIZATION PLAN

SCALE 1" = 20' DATE FEB 2007 CONTRACT NO. BW996M82
DESIGNED BY MML COUNTY PRINCE GEORGES
DRAWN BY MML LOGMILE 16045802.51
CHECKED BY MML T.I.M.S. NO. I-198
F.A.P. NO. TOD NO.
DRAWING NO. TS-4557 OF SHEET NO. 1 OF 6

PLOTTED: 10/10/2007
FILE: F:\MD 458 AT PENN STATION\11986P81.DGN

LENHART TRAFFIC CONSULTING
TRAFFIC ENGINEERING & TRANSPORTATION PLANNING

331 Redwood Grove Court Millersville, Maryland 21108
Tel: (410) 987-3888 Fax: (443) 782-2288